

```
### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID dialog.com)
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES
PLEASE LOGON:
***** HHHHHHHH SSSSSSSS?
### Status: Signing onto Dialog
*****
ENTER PASSWORD:
***** HHHHHHHH SSSSSSSS? *****
Password incorrect
### Status: Incorrect Account Password.

### Status: Incorrect Account Password.

### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID dialog.com)
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES
PLEASE LOGON:
***** HHHHHHHH SSSSSSSS?
### Status: Signing onto Dialog
*****
ENTER PASSWORD:
***** HHHHHHHH SSSSSSSS? *****
Welcome to DIALOG
### Status: Connected

Dialog level 02.09.15D

Last logoff: 05sep02 07:04:52
Logon file405 20sep02 09:10:17
    *** ANNOUNCEMENT ***
    ***
--As of October 1, 2002, the following files from Cambridge Scientific Abstracts (CSA) will no longer be available: 14, 28, 32, 33, 36, 37, 41, 44, 56, 61, 76, 77, 108, 117, 232, 238, 269, 293, 335. Please enter HELP CSA plus the file number to identify alternative sources of information. Example: HELP CSA 14.
    ***
--File 515 D&B Dun's Electronic Business Directory is now online completely updated and redesigned. For details, see HELP NEWS 515.
    ***
--File 990 - NewsRoom now contains May 2002 to present records.
File 993 - NewsRoom archive contains 2002 records from January 2002-April 2002. To search all 2002 records, BEGIN 990,993 or B NEWS2002.
    ***
--Alerts have been enhanced to allow a single Alert profile to be stored and run against multiple files. Duplicate removal is available across files and for up to 12 months. The Alert may be run according to the file's update frequency or according to a custom calendar-based schedule. There are no additional prices for these enhanced features. See HELP ALERT for more information.
    ***
--U.S. Patents Fulltext (File 654) has been redesigned with new search and display features. See HELP NEWS 654 for information.
    ***
--Connect Time joins DialUnits as pricing options on Dialog. See HELP CONNECT for information.
```

\*\*\*  
--CLAIMS/US Patents (Files 340,341, 942) have been enhanced with both application and grant publication level in a single record. See HELP NEWS 340 for information.

\*\*\*  
--SourceOne patents are now delivered to your email inbox as PDF replacing TIFF delivery. See HELP SOURCE1 for more information.

\*\*\*  
--Important news for public and academic libraries. See HELP LIBRARY for more information.

\*\*\*  
--Important Notice to Freelance Authors--  
See HELP FREELANCE for more information

\*\*\*  
For information about the access to file 43 please see Help News43.

NEW FILES RELEASED

\*\*\*Dialog NewsRoom - Current 3-4 months (File 990)  
\*\*\*Dialog NewsRoom - 2002 Archive (File 993)  
\*\*\*Dialog NewsRoom - 2001 Archive (File 994)  
\*\*\*Dialog NewsRoom - 2000 Archive (File 995)  
\*\*\*TRADEMARKSCAN-Finland (File 679)  
\*\*\*TRADEMARKSCAN-Norway (File 678)  
\*\*\*TRADEMARKSCAN-Sweden (File 675)

\*\*\*

UPDATING RESUMED

\*\*\*Delphes European Business (File 481)

\*\*\*

RELOADED

\*\*\*D&B Dun's Electronic Business Directory (File 515)  
\*\*\*U.S. Patents Fulltext 1976-current (File 654)  
\*\*\*Population Demographics (File 581)  
\*\*\*Kompass Western Europe (File 590)  
\*\*\*D&B - Dun's Market Identifiers (File 516)  
\*\*\*PsycINFO (File 11)

REMOVED

\*\*\*Chicago Tribune (File 632)  
\*\*\*Fort Lauderdale Sun Sentinel (File 497)  
\*\*\*The Orlando Sentinel (File 705)  
\*\*\*Newport News Daily Press (File 747)  
\*\*\*U.S. Patents Fulltext 1980-1989 (File 653)  
\*\*\*Washington Post (File 146)  
\*\*\*Books in Print (File 470)  
\*\*\*Court Filings (File 793)  
\*\*\*Microcomputer Software Guide Online (File 278)  
\*\*\*Publishers, Distributors & Wholesalers of the U.S. (File 450)  
\*\*\*State Tax Today (File 791)  
\*\*\*Tax Notes Today (File 790)  
\*\*\*Worldwide Tax Daily (File 792)

\*\*\*New document supplier\*\*\*

IMED has been changed to INFOTRIE (see HELP OINFOTRI)

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<  
>>> of new databases, price changes, etc. <<  
\*\*\*\*\*

\*\*\*

\*\*\*

SYSTEM:HOME

Cost is in DialUnits

Menu System II: D2 version 1.7.8 term=ASCII

\*\*\* DIALOG HOMEBASE(SM) Main Menu \*\*\*

Information:

1. Announcements (new files, reloads, etc.)

2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
5. Product Descriptions

Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

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/H = Help /L = Logoff /NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

?b 2,6,8,34,434,65,77,99,144,94,233,238,266,239,275,621,636,647,674,696

```
20sep02 09:11:53 User264815 Session D10.1
      $0.00      0.161 DialUnits FileHomeBase
$0.00  Estimated cost FileHomeBase
$0.43  TELNET
$0.43  Estimated cost this search
$0.43  Estimated total session cost  0.161 DialUnits
```

```
SYSTEM:OS - DIALOG OneSearch
File 2:INSPEC 1969-2002/Sep W3
      (c) 2002 Institution of Electrical Engineers
*File 2: Alert feature enhanced for multiple files, duplicates
removal, customized scheduling. See HELP ALERT.
File 6:NTIS 1964-2002/Sep W4
      (c) 2002 NTIS, Intl Cpyrgt All Rights Res
*File 6: Alert feature enhanced for multiple files, duplicates
removal, customized scheduling. See HELP ALERT.
File 8:EI Compendex(R) 1970-2002/Sep W3
      (c) 2002 Engineering Info. Inc.
*File 8: Alert feature enhanced for multiple files, duplicates
removal, customized scheduling. See HELP ALERT.
File 34:SciSearch(R) Cited Ref Sci 1990-2002/Sep W4
      (c) 2002 Inst for Sci Info
*File 34: Alert feature enhanced for multiple files, duplicates
removal, customized scheduling. See HELP ALERT.
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
      (c) 1998 Inst for Sci Info
File 65:Inside Conferences 1993-2002/Sep W3
      (c) 2002 BLDSC all rts. reserv.
File 77:Conference Papers Index 1973-2002/Sep
      (c) 2002 Cambridge Sci Abs
*File 77: As of October 1, 2002, Conference Papers Index will no longer
be available. See HELP CSA77 for a list of alternative files.
File 99:Wilson Appl. Sci & Tech Abs 1983-2002/Aug
      (c) 2002 The HW Wilson Co.
File 144:Pascal 1973-2002/Sep W3
      (c) 2002 INIST/CNRS
File 94:JICST-EPlus 1985-2002/Jul W4
      (c) 2002 Japan Science and Tech Corp (JST)
*File 94: There is no data missing. UDs have been adjusted to reflect
the current months data. See Help News94 for details.
File 233:Internet & Personal Comp. Abs. 1981-2002/Sep
      (c) 2002 Info. Today Inc.
File 238:Abs. in New Tech & Eng. 1981-2002/Sep
      (c) 2002 Cambridge Scient. Abstr
*File 238: As of October 1, 2002, ANTE will no longer be available. See
HELP CSA238 for a list of alternative files.
File 266:FEDRIP 2002/Jul
```

Comp & dist by NTIS, Intl Copyright All Rights Res  
File 239:Mathsci 1940-2002/Oct  
(c) 2002 American Mathematical Society  
File 275:Gale Group Computer DB(TM) 1983-2002/Sep 20  
(c) 2002 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2002/Sep 19  
(c) 2002 The Gale Group  
File 636:Gale Group Newsletter DB(TM) 1987-2002/Sep 20  
(c) 2002 The Gale Group  
File 647:CMF Computer Fulltext 1988-2002/Sep W1  
(c) 2002 CMF Media, LLC  
File 674:Computer News Fulltext 1989-2002/Sep W3  
(c) 2002 IDG Communications  
File 696:DIALOG Telecom. Newsletters 1995-2002/Sep 19  
(c) 2002 The Dialog Corp.

Set Items Description

--- -----

?e au=epstein michael

Ref	Items	Index-term
E1	1	AU=EPSTEIN MI
E2	9	*AU=EPSTEIN MICHAEL
E3	1	AU=EPSTEIN MICHAEL J
E4	1	AU=EPSTEIN MICHAEL L
E5	4	AU=EPSTEIN MICHAEL P
E6	2	AU=EPSTEIN MICHAEL R
E7	1	AU=EPSTEIN MICHELLE M
E8	1	AU=EPSTEIN MIKE
E9	6	AU=EPSTEIN MJ
E10	130	AU=EPSTEIN ML
E11	23	AU=EPSTEIN MM
E12	3	AU=EPSTEIN MN

Enter P or PAGE for more

?s e2

S1 9 AU='EPSTEIN MICHAEL'

?t s1/6,k/all

>>>KWIC option is not available in file(s): 77

1/6,K/1 (Item 1 from file: 144)  
DIALOG(R)File 144:(c) 2002 INIST/CNRS. All rts. reserv.

15592231 PASCAL No.: 02-0294019

Modeling of hydrogen flame propagation in multicompartment buildings  
2002

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LUANGDILOK Wison; MOROTA Hidetsugu; EPSTEIN Michael

1/6,K/2 (Item 2 from file: 144)  
DIALOG(R)File 144:(c) 2002 INIST/CNRS. All rts. reserv.

15580780 PASCAL No.: 02-0281680

Mass of flammable material produced by continuous fuel-gas and volatile  
liquid-fuel releases  
2001

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EPSTEIN Michael ; FAUSKE Hans K

1/6,K/3 (Item 3 from file: 144)  
DIALOG(R)File 144:(c) 2002 INIST/CNRS. All rts. reserv.

15384449 PASCAL No.: 02-0072919  
The optics of the solar tower reflector  
Selected Proceedings of EuroSun 2000 ISES-Europe Solar Congress,  
Copenhagen, Denmark, June 2000  
2000

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SEGAL Akiba; EPSTEIN Michael

1/6,K/4 (Item 4 from file: 144)  
DIALOG(R)File 144:(c) 2002 INIST/CNRS. All rts. reserv.

15364703 PASCAL No.: 02-0052528  
Liquid entrainment by an expanding core disruptive accident bubble: a  
Kelvin/Helmholtz phenomenon  
2001

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EPSTEIN Michael ; FAUSKE Hans K; KUBO Shigenobu; NAKAMURA Toshio; KOYAMA  
Kazuya

1/6,K/5 (Item 5 from file: 144)  
DIALOG(R)File 144:(c) 2002 INIST/CNRS. All rts. reserv.

15363784 PASCAL No.: 02-0051507  
Liquid-liquid interface stability in accelerating and constant-velocity  
tube flows  
2001

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EPSTEIN Michael ; BURELBACH James P; FAUSKE Hans K; KUBO Shigenobu;  
KOYAMA Kazuya

1/6,K/6 (Item 6 from file: 144)  
DIALOG(R)File 144:(c) 2002 INIST/CNRS. All rts. reserv.

15226514 PASCAL No.: 01-0393222  
Carbothermal reduction of alkali hydroxides using concentrated solar  
energy  
2001

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EPSTEIN Michael ; YOGEV Amnon; CHENGCAI YAO; BERMAN Alexander

1/6,K/7 (Item 7 from file: 144)  
DIALOG(R)File 144:(c) 2002 INIST/CNRS. All rts. reserv.

15107347 PASCAL No.: 01-0267767  
Solar upgrading of fuels for generation of electricity  
Solar Thermochemical Processing  
2001

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TAMME Rainer; BUCK Reiner; EPSTEIN Michael ; FISHER Uriyel; SUGARMEN  
Chemi

1/6,K/8 (Item 8 from file: 144)  
DIALOG(R)File 144:(c) 2002 INIST/CNRS. All rts. reserv.

15090677 PASCAL No.: 01-0250380  
**Loudness functions for long and short tones**  
2001-05-01

Copyright (c) 2001 American Institute of Physics. All rights reserved.

FLORENTINE Mary; EPSTEIN Michael ; BUUS Soren

1/6,K/9 (Item 9 from file: 144)  
DIALOG(R)File 144:(c) 2002 INIST/CNRS. All rts. reserv.

14919214 PASCAL No.: 01-0069211  
**Vertical mixing above a steady circular source of buoyancy**  
2001

Copyright (c) 2001 INIST-CNRS. All rights reserved.

EPSTEIN Michael ; BURELBACH James P

?ds

Set Items Description  
S1 9 AU='EPSTEIN MICHAEL'  
?s el  
S2 1 AU='EPSTEIN MI'  
?t s2/6,k/all  
>>>KWIC option is not available in file(s): 77

2/6,K/1 (Item 1 from file: 434)  
DIALOG(R)File 434:(c) 1998 Inst for Sci Info. All rts. reserv.

01585311 Genuine Article#: DL456 Number of References: 5  
**Title: LARGE-SCREEN VISUALIZER**

Author(s): ZAITSEV LM; KLYUCHNIKOV VM; SONIN AS; STEPANOV BM; EPSTEIN MI  
?s (destroy? or delet? or eras? or discard? or destruct?) (3n) (private key?)

123436 DESTROY?  
238160 DELET?  
52594 ERAS?  
30568 DISCARD?  
231154 DESTRUCT?  
430 PRIVATE KEY?  
S3 0 (DESTROY? OR DELET? OR ERAS? OR DISCARD? OR  
DESTRUCT?) (3N) (PRIVATE KEY?)

?s (transmit? or send? or receiv?) (3n) (private key?)

Processed 10 of 20 files ...

Processing

Completed processing all files

519464 TRANSMIT?  
386491 SEND?  
2154521 RECEIV?  
430 PRIVATE KEY?

S4 1 (TRANSMIT? OR SEND? OR RECEIV?) (3N) (PRIVATE KEY?)

?

s ((decrypt? or dcipher? or decod?) (2a) (private key)) (p) (user ID or bio? or ID or password)

3453 DECRYPT?  
0 DCIPHER?  
104445 DECOD?  
17780 PRIVATE  
175204 KEY  
792 PRIVATE KEY  
(PRIVATE (W) KEY)  
307320 USER  
55517 ID  
1107 USER ID  
(USER (W) ID)

TERM 'BIO?' EXCEEDED TRUNCATION LIMITS - SEARCH ENDED

=> s ((decrypt? or dcipher? or decod?) (2a) (private key)) (p) (user ID or biometric or ID or password)

3453 DECRYPT?  
3004 DECIPHER?  
104445 DECOD?  
17780 PRIVATE  
175204 KEY  
792 PRIVATE KEY  
(PRIVATE (W) KEY)  
307320 USER  
55517 ID  
1107 USER ID  
(USER (W) ID)  
311 BIOMETRIC  
55517 ID  
4832 PASSWORD  
L1 27 ((DECRYPT? OR DECIPHER? OR DECOD?) (2A) (PRIVATE KEY)) (P) (USE  
R I

A vulnerability of this password-based authentication is that the **encrypted private key** is ~~transmitted~~ over the network from the remote server to the workstation. Because knowledge of the password is not needed to initiate. . .

=> d 11 4 kwic

US PAT NO: 5,418,854 [IMAGE AVAILABLE]

L1: 4 of 5

SUMMARY:

BSUM(15)

In this password-based authentication system, the **encrypted private key** is ~~transmitted~~ over the network from the directory server to the workstation. Since knowledge of the password is not needed to initiate. . .